Reverse DNS in IPv6 for Internet Service Providers

draft-howard-isp-ip6rdns-03

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Problem Statement

- In IPv4, an ISP can pre-populate reverse zone with every possible address assigned to a customer
- In IPv6, it would take trillions of years to write every possible PTR in a /64

Change Log

- Retrack to *Informational*
- Added note that same considerations may apply to SOHO/SMB
- Editorial changes
  - Corrected some misformatted examples
  - Corrected typos and formatting

Change Log

- Changed "delegation of zone to customer won't work because CPE gateways aren't auth servers and can't do dynamic DNS" to "...is dependent on CPE support."

- Changed "customer gateway as DHCP server can't update because they don't support FQDN DHCP option" to "...is dependent on CPE support."

*paraphrased

Change Log

- Removed discussion of confusion with multiple wildcards; RFCs document correct behavior

- In discussion of authentication of dynamic DNS, changed "DNSsec" to "TSIG"